TMDL APPROACH

Loading Capacity

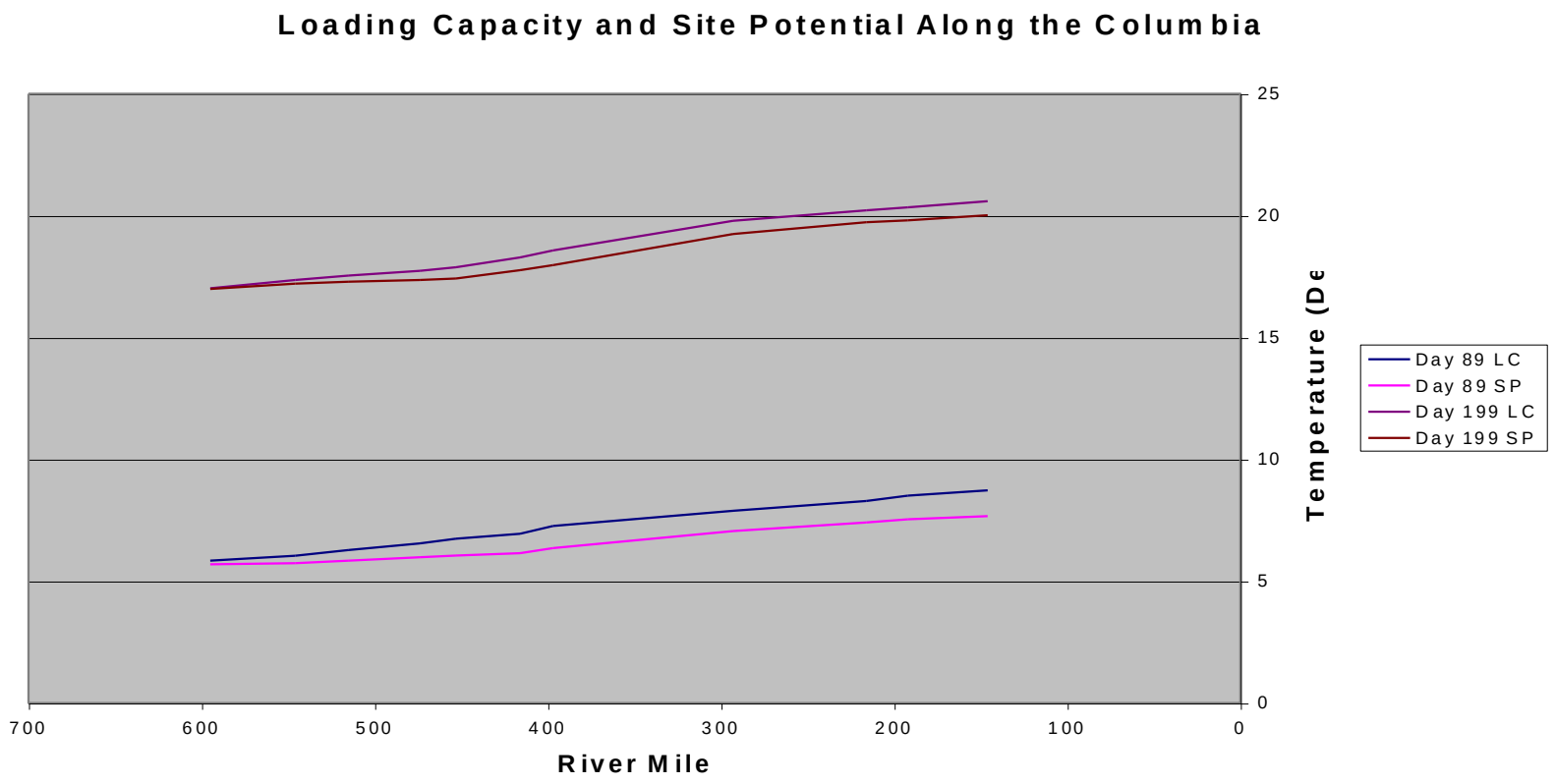
- Based on the **Average Site Potential Temperatures (SP)** for each day of the year.

- Loading Capacity @ Grand Coulee Target Site =
  - SP + 0.15 C when SP < Criteria
  - SP + 0.02 C when SP > Criteria

Loading Capacity

- Loading Capacity at each subsequent target site =
  - upstream Loading Capacity + 0.15 C when SP < Criteria
  - upstream Loading Capacity + 0.02 C when SP > Criteria

Loading Capacity



Load Available for Allocation

- 0.15 C when SP < Criteria
- 0.02 C when SP > Criteria
- Loads are driven by the downstream WQS
  - SP +0.14 when SP>Criteria (Oregon)
  - SP + 1.1 when SP <Criteria (Washington)

Load Available for Allocation

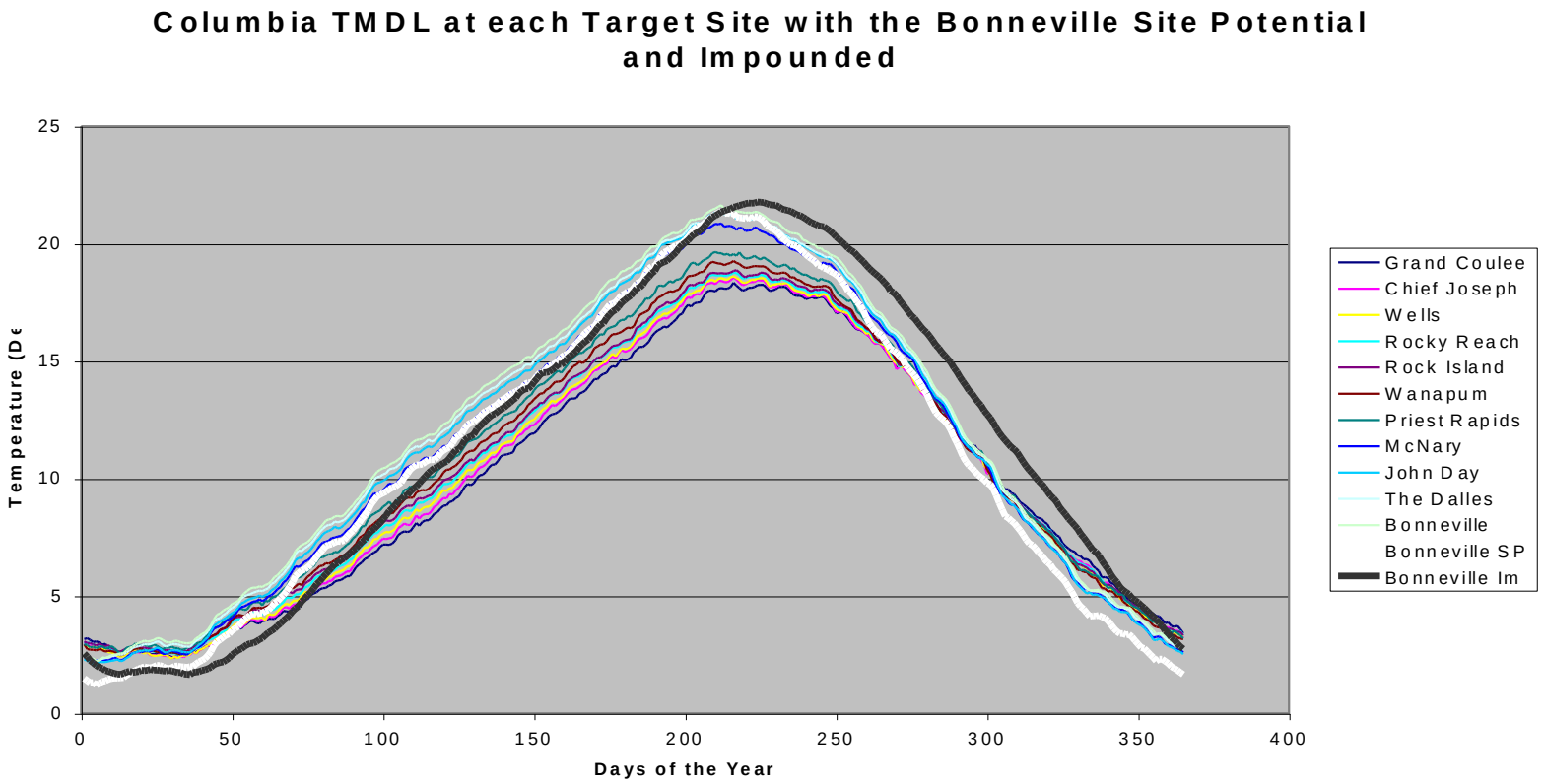
What does it mean?

- Essentially no measurable increase in temperature at each Target Site due to dams or other sources.
- Sufficient capacity for the point sources.

Allocation Table

Day	Upstream LC	LC	Increment	Dams Allocation	Other Sources	Future Growth
89	5.9	6.05	.15			
199	17.29	17.31	.02			

Loading Capacities



Further Analysis

- Point Sources
- Tribs
- Future Growth

Temperature Decreases